

What is claimed is:

1. A system for monitoring errors in a network of computers comprising:
a first computer having a processor, integral storage means, and means for electronically communicating with other computers in the network;
a plurality of data storage devices in said network;
5 a second computer having a processor, integral storage means, and means for electronically communicating with the plurality of data storage devices and said first computer;
first computer software means installed in said first computer for managing data received from said first computer;
second computer software means installed in said second computer for retrieving log page data
10 from said plurality of data storage devices and transmitting said data to said first computer; and
said first computer software means further including means for arranging said log page data in a database and generating user interface information concerning the status of at least one data storage device in the network.
2. A system, as claimed in Claim 1, wherein:
said first computer software means further includes means for generating predictive analysis of said log page data in said database, said predictive analysis including user interface information concerning potential failure of said at least one data storage device.
3. A system, as claimed in Claim 1, wherein:
said user interface information includes a user interface display of explanatory text regarding the status of said at least one data storage device.
4. A system, as claimed in Claim 1, wherein:
said user interface information includes a user interface display of graphical data illustrating a realtime status of said at least one data storage device.

5. A system, as claimed in Claim 3, wherein:

said explanatory text is generated in the form of a report including a recommendation to a user regarding an appropriate remedial action to take in the event the at least one data storage device shows failure or degradation.

6. A system, as claimed in Claim 1, wherein:

said second software means includes a corresponding database to store said log page data until said data can be successfully transferred to said database of said first software means.

7. A method of monitoring the condition of a plurality of data storage devices in a computer network, said method comprising the steps of:

providing a computer network including a plurality of interconnected computers, at least some of said computers having corresponding data storage devices;

5 providing administrator level software in one of said computers;

providing server agent software in each computer having a corresponding data storage device to be monitored ;

retrieving log page data of a monitored data storage device by said server agent software;

10 electronically transmitting said log page data to said computer having said administrator level software;

storing said log page data in a database of said administrator level software; and

generating user interface information corresponding to said stored log page data to provide a status of the monitored data storage device.

8. A method, as claimed in Claim 7, wherein:

said user interface information includes explanatory text regarding the status of the monitored data storage device;

9. A method, as claimed in Claim 9, wherein:

said user interface information includes a graphical display illustrating a realtime status of the monitored data storage device.

10. A method, as claimed in Claim 8, wherein:

said explanatory text is generated in the form of a report including recommendations to a user regarding appropriate remedial actions in the event that the monitored data storage device shows failure or degradation.

11. A computational component for performing a method, the method comprising:

selecting a plurality of storage devices for monitoring;

querying a client computer associated with at least a first of said storage devices for storage device data;

5 receiving said storage device data; and

checking performance parameter information of said at least a first of said storage devices,

wherein said performance parameter information is received as part of said storage device data.

12. The method of Claim 11, further comprising:

in response to determining that a performance parameter of said at least a first of said storage devices is outside of a predetermined range, generating a status notification.

13. The method of Claim 11, further comprising:

characterizing a status of said at least a first storage device.

14. The method of Claim 13, wherein said characterizing a status comprises predicting a failure status of said at least a first storage device.

15. The method of Claim 14, wherein said predicting a failure status comprises predicting a potential for future failure of said at least a first storage device.

16. The method of Claim 12, wherein said status notification comprises a notice displayed to a user.

17. The method of Claim 11, wherein said storage device data comprises log page data.

18. The method of Claim 11, wherein said performance parameter comprises at least one of storage device read errors and storage device write errors.

19. The method of Claim 11, further comprising:
storing said performance parameter data in a database.

20. The method of Claim 11, further comprising:
generating a report, wherein said report comprises at least one of said performance parameter information of said at least a first storage device and a status of said at least a first storage device.

21. The method of Claim 11, further comprising:
providing server agent software to each said associated client computer.

22. The method of Claim 11, wherein said computational component comprises:
a computer-readable storage medium containing instructions for performing the method.

23. The method of Claim 11, wherein said computational component comprises a logic circuit.

24. A system for monitoring a status of data storage devices, comprising:

a server computer, including:

data storage;

administrative level software stored in said data storage;

5 a communication interface;

a communication network interconnected to said communication interface of said server computer;

a client computer, including:

data storage;

10 a communication interface interconnected to said communication network;

a data storage device; and

server agent software stored in said data storage and operable to query said data storage device for log page data and to provide said log page data to said server computer via said communication network in response to a request from said administrative level software.

25. A monitored computer system, comprising:

means for communicating with a computer network;

means for collecting storage device performance data received from a plurality of storage devices through said means for communicating;

5 means for storing said collected storage device data;

means for analyzing said collected storage device data, wherein a prediction of a future failure of said storage devices is generated.